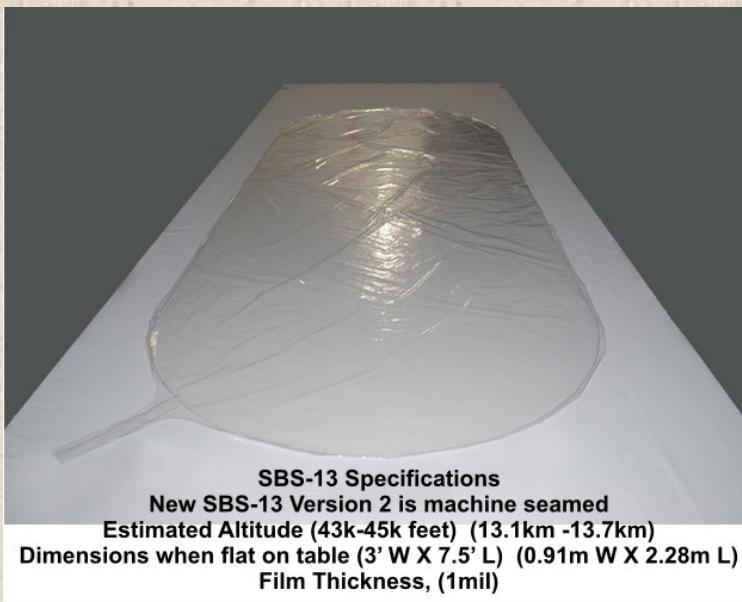




# hf happenings 905

Volume 20, Issue 9, the week of 22 June 2020

HF Happenings [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)



**SBS-13 Specifications**  
New SBS-13 Version 2 is machine seamed  
Estimated Altitude (43k-45k feet) (13.1km -13.7km)  
Dimensions when flat on table (3' W X 7.5' L) (0.91m W X 2.28m L)  
Film Thickness, (1mil)

## APRS and WSPR balloon completes second circumnavigation of Earth

A balloon launched on 20 May by 'Amateur Radio Roundtable' web show host Tom Medlin, W5KUB and team has begun its third circumnavigation of Earth transmitting 144,390 MHz FM APRS and 14,0971 MHz WSPR.

The ARRL say, "The balloon, at 13 106 – 13 716 m, completed its second trip around the globe on 19 June. It crossed the Atlantic Ocean "in record time" at a speed of about 273 km/h, the balloon website reported this week."

The balloon, identified as W5KUB-18, carries APRS and WSPR amateur radio payloads. As of the afternoon of 23 June, it was heading over Uzbekistan at over 160 km/h.

As the balloon website states, the mission and goal are to launch a high-altitude balloon for long-duration and multiple trips around the world. The balloon, an SBS-13, is capable of flying up to 13 716 m. "It will be filled with hydrogen to obtain higher altitude," the website explains. "It will be solar powered only (no batteries, so it will only transmit during daylight). We will receive tracking every 10 minutes via WSPR on HF [14,0971 MHz]."

Tracking transmissions will be turned off over the UK, Yemen and North Korea due to regulations. <http://tmedlin.com/balloon-3-2/>

26.-28. Juni 2020

**HAM RADIO** **online**

## HAM RADIO online event 26 to 29 June

Due to the dreaded Lurgi-19 pandemic, this year's Ham Radio in Friedrichshafen had to be cancelled as so many other events worldwide but there will be a HAM RADIOonline event instead.

*Some of these events may not take place due to the restrictions put in place for the dreaded Lurgi-19!*

### June

26 to 20 – **HAM RADIO**Online event  
27 - CTARC meeting  
30 - End of the SARL Financial Year; World Asteroid Day

### July

1 – **start of SARL Financial year and subscriptions due**  
4 – **SARL Newbie Party**  
5 – **ZS5 Sprint**  
10 to 12 – Turbine Air Festival, Johannesburg  
11 – **RaDAR Challenge**  
11 and 12 – **IARU HF Championships**  
15 - The Battle of Delville Wood Commemoration - 15 to 20 July 1916;  
**SARL 80 m Wednesday Club**  
18 - **AMSAT SA Space Symposium; Winter QRP contest**  
19 – **ZS2 Sprint**  
21 – **Highway ARC meeting**  
25 – **CTARC AGM**  
25 and 26 – **Islands on the Air Contest**  
29 and 30 - Delta Aquarids and Alpha Capricornids meteor showers

The DARC decided to offer instead an online event, the HAM RADIONline from 26 to 29 June. This online event will feature many interesting topics related to our hobby, such as operating and broadcasting technology, honours, talk groups and interviews. In charge of this online event is the Software Defined Radio Academy team and the "Fascination HAM RADIO" crew. HAM RADIONline will start on Friday evening 26 June (Central Europe Standard Time).

Furthermore, the event organisation company "Messe Friedrichshafen" is presenting a virtual trade fair at <https://www.hamradio-friedrichshafen.com/news/2020/virtual-fair-presents-novelties/> where exhibitors will present various product innovations. Together, the DARC and the event organizers are thus creating a virtual trade fair experience bringing the volunteers, dealers and manufacturers to your home.

HAM RADIONline <https://www.hamradio-friedrichshafen.com/news/2020/ham-radionline/>. The HAM RADIONline broadcast schedule (in German language) is available at [https://www.hamradio-friedrichshafen.de/assets/projects/ham/pdf/virtuelle\\_Messe/HAMonline\\_Sendeplan\\_aktuell.pdf](https://www.hamradio-friedrichshafen.de/assets/projects/ham/pdf/virtuelle_Messe/HAMonline_Sendeplan_aktuell.pdf)  
Thomas, DF2OO - DARC International Affairs Team

## Software Defined Radio Academy 2020

This year's Software Defined Radio Academy is going to take place during the weekend of 27 and 28 June. We have now finalized the programme. Since we decided very early in March that we would organize an online strategy, we were not grounded by Corona. Using YouTube and our video conferencing system, we were able to organize a rich SDRA conference with speakers from all over the world.

Since this year's European GNURadio Days conference in Besancon, France, could not take place either, we were asked to give their speakers a stage. This is the reason why we have an especially strong GNURadio focus. With such a rich programme, we decided to span the talks over two days and start in the European afternoon, so that we could give our overseas audience a chance to participate live.

The mode is this: Even though all the talks are pre-recorded, the speakers will attend in the video conferencing system and respond to questions that come in through the YouTube channel. This way we can maintain a certain degree of interaction, which is important for any kind of scientific conference.

Here is the programme - <https://2020.sdra.io/pages/programme.html> and here is our YouTube stream URL - <https://youtube.sdra.io>. We will start on 27 Saturday at 12:30 UTC +2 and on Sunday 28 June at 13:00 UTC +2.

For those of you who understand German, please note that this year's HAMRADIO conference will also go online. We have worked hard in the past two months to record 65 hours of talks and discussions. Here is the HAMRADIO programme, which the SDRA is part of [https://www.darc.de/fileadmin/filemounts/gs/oefentlichkeitsarbeit/Veranstaltungen/HAMRADIO\\_nline/HAMonline\\_Sendeplan.pdf](https://www.darc.de/fileadmin/filemounts/gs/oefentlichkeitsarbeit/Veranstaltungen/HAMRADIO_nline/HAMonline_Sendeplan.pdf)

We would be pleased if you could distribute this invitation and possibly also publish it in the "Latest News" section of your website.

Markus Heller, DL8RDS

## African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))*

9J2LA QSL Status (19 June). We are getting first reports that direct QSL cards have reached their targets worldwide. Also, the complete log upload to LoTW has taken place! A huge thanks to our QSL Manager Charles, M0OXO for taking care of it.

## African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



IOTA News. Since no or few new IOTA announcements have been made during the past several weeks (probably because of many Lurgi-19 travel restrictions), here is a list of IOTA operations that were active this past week between 14 and 20 June (as per the DXCluster):

AF-004	EA8DHV	Tenerife	20 m; CW
AF-004	EA8TL	Tenerife	20 m; CW
AF-004	EA8WU	Canary	20 m; FT8
AF-016	FR1GV	Reunion	17 m; FT8
AF-018	IH9YMC	Pantelleria	20 m; SSB

## IARU HF Championship

Joe, OZ0J, and Bob, N6TV, are at it again - they are gathering a list of Headquarter Multiplier stations for the upcoming IARU HF Championship contest in July and formatting the list into call history formats used by various logging programs. When used with contest loggers that support a call history file, it could save typing. Joe is accepting changes and corrections to 2020's IARU list at [contest@oz0j.dk](mailto:contest@oz0j.dk). Bob will be "reformatting and distributing this data as HQ station pre-fill files in multiple formats compatible with **N1MM LOGGER+**, **WRITELOG**, **WIN-TEST**, **DXLOG.NET**, **TR4W**, **SKOOKUM LOGGER** and **UCXLOG**. Download itu.zip from <https://bit.ly/itudtb>, which will be updated frequently. Installation instructions and test procedures are documented in the Readme.txt file inside the Zip." According to VE2FK, **N1MM LOGGER+** users will be able to use the auto-download feature of that program to download it as IARU\_2020.txt from the **N1MM LOGGER+** website.

Remember - it is not good practice to use a call history file to guess at call signs that you are unsure you have copied correctly.

## Setup of a CW paddle

Rick, WW1ME, writes in regard to the conventional setup of a CW paddle: "The right-hand lever is the 'dah' if you are right-handed. For lefties, it is just the opposite. Most keyers/radios will let you change the keyer 'sense' for RH or LH. I recall back in the day, too, that all MFJ keyers were wired for the wrong sense, so when you plugged in your paddle, it was set for a lefty. If you used that paddle with other devices, that could be a real issue. Otherwise, you'd have to swap the wires." Another temporary means of sending with a paddle that is opposite of what you are used to is to turn it around and reach over the paddle for the levers. Awkward, but the technique works for a limited amount of sending.

## CW Contest Trainer

Ray, G4FON, has written a program entitled CW Contest Trainer and has made it available on his website <http://www.g4fon.net/>. His program supports a number of contests, including CQ WPX, CQ WW, IOTA, ARRL Field Day, ARRL Sweepstakes, CW Ops CWT, NAQCC, and SKCC. The free version on his website is limited in operation but can be upgraded for a fee.

## Windows updates

Recent Windows updates may have jumbled sound and com port driver orders, depending on your configuration. If your computer was updated recently, now might be a good time to check that all of your sound devices are what you think they are, and that COM ports work as intended with your installed software, versus in the hours just before a contest that requires those ports.

## Tune a reflector for a two-element vertical parasitic array

Steve, VE6WZ, has made a YouTube video of how he tunes a reflector for a two-element vertical parasitic array, specifically for his 160-meter parasitic array that uses his shunt-fed tower as a driver <https://youtu.be/2DcvmGPLdT0>. Steve's video shows the theory behind his method using a two-element Yagi to demonstrate mutual coupling between a driven element and a parasitic element using a NanoVNA. He goes on to model the relationship between feed point *real* resistance (not reactance) and gain characteristics using 4NEC2. He then applies this to describe how he tunes 40-, 80-, and 160-meter antennas. The video's YouTube page also has links to papers on the design aspects of his two-element Yagis and verticals

<https://www.youtube.com/watch?v=2DcvmGPLdT0&feature=youtu.be>.

## How to use a NanoVNA

Alan, W2AEW just published a 6-minute video on how to use a NanoVNA for various antenna-oriented tasks <https://www.youtube.com/watch?v=xa6dqx9udcg>. Sure, you could figure this out from the manual(s), however it is easier to watch someone do it.

## Operating Tip

**After A Contest, Send in the Log Immediately.** As soon as you can after the contest, send in your log to the contest sponsors. Your log is what you copied during the contest; no changes are necessary. With the contest over, the log should be ready to send. Generate the Cabrillo file, and submit it via email or the contest sponsor's website. With most major contests moving to shortened submission periods, it is all too easy to forget about it and miss the log submission deadline.

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 22 to 29 June 2020

Run for the Bacon QRP Contest  
23:00 UTC 21 June to 01:00 UTC 22 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Band; All Band  
Max power: 5 Watts  
Exchange: RST, state, province or country and member no or power  
Work stations: Once per band  
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent  
Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 28 June 2020  
E-mail logs to: (none)  
Upload log at:  
<http://qrcontest.com/pigrun/autolog.php>

Mail logs to: (none)  
Find rules at: <http://qrcontest.com/pigrun/>  
  
RSGB Hope CW QSO Party  
08:30 UTC-10:00 UTC 22 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 W; LP: 100 W; QRP: 10 W  
Exchange: RST and serial no  
QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m  
Multipliers: Each DXCC country once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 23:59 UTC 23 June 2020

E-mail logs to: (none)  
Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)

Mail logs to: (none)  
Find rules at:  
[www.rsgbcc.org/hf/rules/2020/rhqp.shtml](http://www.rsgbcc.org/hf/rules/2020/rhqp.shtml)



Worldwide Sideband Activity Contest  
01:00 - 01:59 UTC 23 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: SSB  
Bands: 160, 80, 40, 20, 15, 10, 6 m  
Classes: Single Op - QRP, low or high; Overlay: Youth (26 years old or younger); Youth YL (female 26 years old or younger); YL (female older than 26 years)  
Max power: HP: 1 500 Watts; LP: 100 Watts;  
QRP: 5 Watts  
Exchange: RS and age group (OM, YL, Youth YL or Youth)  
Work stations: Once per band  
QSO Points: 1 point per QSO with OM; 5 points per QSO with YL; 10 points per QSO with Youth; 15 points per QSO with Youth YL  
Multipliers: Each DXCC once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 01:59 UTC 24 June 2020  
E-mail logs to: [logs@wwsac.com](mailto:logs@wwsac.com)  
Mail logs to: (none)  
Find rules at: [wwsac.com/rules.html](http://wwsac.com/rules.html)

RSGB Hope FT4 QSO Party  
10:00 UTC-11:30 UTC 23 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: FT4  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 W; LP: 100 W; QRP: 10 W

Exchange: 4-character locator (shame, it cannot handle more!)  
QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each 4-character grid square once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 24 June 2020

E-mail logs to: (none)  
Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)  
Mail logs to: (none)  
Find rules at:  
[www.rsgbcc.org/hf/rules/2020/rhqp.shtml](http://www.rsgbcc.org/hf/rules/2020/rhqp.shtml)

RTTYOPS Week Sprint  
17:00 - 19:00 UTC 23 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: RTTY  
Bands: 80, 40, 20 m  
Classes: Single Op  
Max operating hours: 2 hours  
Exchange: other station's call, your call, serial no and your name

Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 30 June 2020

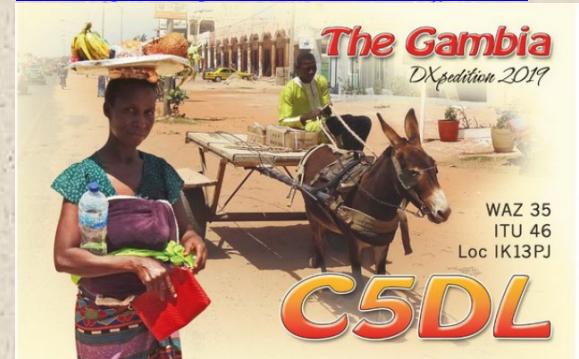
E-mail logs to: [rtty-week-tuesday@nrrlcontest.no](mailto:rtty-week-tuesday@nrrlcontest.no)  
Mail logs to: (none)  
Find rules at:  
<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week Sprint/>

SKCC Sprint  
00:00 - 02:00 UTC 24 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)  
 Exchange: RST, state, province or country, name and SKCC no or power  
 Work stations: Once per band  
 QSO Points: (see rules)  
 Multipliers: Each state, province, or country once  
 Score Calculation: Total score = (total QSO points x total mults) and bonus points  
 Submit logs by: 23:59 UTC 26 June 2020  
 E-mail log summary to: (none)  
 Post log summary at:  
[www.skccgroup.com/operating\\_activities/weekday\\_sprint/submit-display.php](http://www.skccgroup.com/operating_activities/weekday_sprint/submit-display.php)  
 Mail logs to: (none)  
 Find rules at:  
[www.skccgroup.com/operating\\_activities/weekday\\_sprint/](http://www.skccgroup.com/operating_activities/weekday_sprint/)  
  
 Phone Fray  
 02:30 - 03:00 UTC 24 June  
 Geographic Focus: North America  
 Participation: Worldwide  
 Mode: SSB  
 Bands: 160, 80, 40, 20, 15 m  
 Classes: Single Op  
 Max power: 100 Watts  
 Exchange: NA: Name and state, province or country; non-NA: Name  
 Work stations: Once per band  
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 03:00 UTC 26 June 2020  
 E-mail logs to: (none)  
 Post log summary at: [www.3830scores.com](http://www.3830scores.com)  
 Mail logs to: (none)  
 Find rules at:  
[www.perluma.com/Phone\\_Fray\\_Contest\\_Rule\\_s.pdf](http://www.perluma.com/Phone_Fray_Contest_Rule_s.pdf)

**RSGB Hope SSB QSO Party**  
 11:30 UTC-13:00 UTC 24 June  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: SSB

Bands: 80, 40, 20, 15, 10 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 W; LP: 100 W; QRP: 10 W  
 Exchange: RST and serial no  
 QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m  
 Multipliers: Each DXCC country once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 25 June 2020  
 E-mail logs to: (none)  
 Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)  
 Mail logs to: (none)  
 Find rules at:  
[www.rsgbcc.org/hf/rules/2020/rhqp.shtml](http://www.rsgbcc.org/hf/rules/2020/rhqp.shtml)



The Gambia  
DXpedition 2019

WAZ 35  
ITU 46  
Loc IK13PJ

**C5DL**

CWops Mini-CWT Test  
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 June and 03:00 - 04:00 UTC 25 June  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Awards: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op - QRP, low or high  
 Max power: HP: >100 Watts; LP: 100 Watts; QRP: 5 Watts  
 Exchange: Member: Name and member no; non-Member: Name and state, province or country  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Multipliers: Each call once  
 Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 27 June 2020  
Post log summary at: [www.3830scores.com](http://www.3830scores.com)  
Mail logs to: (none)  
Find rules at: <https://cwops.org/cwops-tests/>

QRP Fox Hunt  
01:00 - 02:30 UTC 25 June  
Geographic Focus: United States  
Participation: Worldwide  
Mode: CW  
Bands: 20 m Only  
Classes: Single Op - fox or hound  
Max power: 5 Watts  
Exchange: RST, state, province or country, name and power output  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 02:30 UTC 26 June 2020  
E-mail logs to: (see rules)  
Mail logs to: (none)  
Find rules at:  
[www.qrpfoxhunt.org/summer\\_rules.htm](http://www.qrpfoxhunt.org/summer_rules.htm)



RSGB Hope CW QSO Party  
13:00 - 14:30 UTC 25 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 W; LP: 100 W; QRP: 10 W  
Exchange: RST and serial no  
QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each DXCC country once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 23:59 UTC 26 June 2020  
E-mail logs to: (none)  
Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)  
Mail logs to: (none)  
Find rules at:  
[www.rsgbcc.org/hf/rules/2020/rhqp.shtml](http://www.rsgbcc.org/hf/rules/2020/rhqp.shtml)

RTTYOPS Week Sprint  
17:00 - 19:00 UTC 25 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: RTTY  
Bands: 80, 40, 20 m  
Classes: Single Op  
Max operating hours: 2 hours  
Exchange: other station's call, your call, serial no and your name  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 23:59 UTC 2 July 2020  
E-mail logs to: [rty-week-thursday@nrrlcontest.no](mailto:rty-week-thursday@nrrlcontest.no)  
Mail logs to: (none)  
Find rules at:  
[https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week Sprint/](http://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week Sprint/)

RSGB 80 m Club SSB Championship  
19:00 - 20:30 UTC 25 June  
Geographic Focus: United Kingdom  
Participation: Worldwide  
Awards: United Kingdom  
Mode: SSB  
Bands: 80 m Only  
Classes: (none)  
Exchange: RS and serial no  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: (see rules)  
Submit logs by: 23:59 UTC 26 June 2020  
Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)  
Mail logs to: (none)

Find rules at:

[www.rsgbcc.org/hf/rules/2020/r80\\_mcc.shtml](http://www.rsgbcc.org/hf/rules/2020/r80_mcc.shtml)

NCCC RTTY Sprint

01:45 - 02:15 UTC 26 June

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 28 June 2020

E-mail logs to: (none)

Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)

Mail logs to: (none)

Find rules at:

[www.ncccsprinternationalcom/rttyns.html](http://www.ncccsprinternationalcom/rttyns.html)

NCCC Sprint

02:30 - 03:00 UTC 26 June

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 28 June 2020

E-mail logs to: (none)

Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)

Mail logs to: (none)

Find rules at:

[www.ncccsprinternationalcom/rules.html](http://www.ncccsprinternationalcom/rules.html)

RSGB Hope RTTY QSO Party

14:30 UTC-16:00 UTC 26 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 W; LP: 100 W; QRP: 10 W

Exchange: RST and serial no

QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on

different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each DXCC country once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 27 June 2020

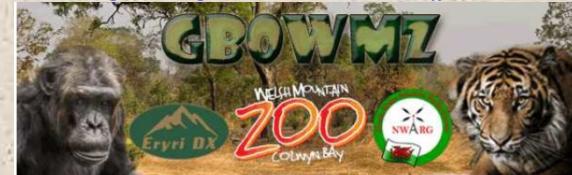
E-mail logs to: (none)

Upload log at: [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)

Mail logs to: (none)

Find rules at:

[www.rsgbcc.org/hf/rules/2020/rhqz.shtml](http://www.rsgbcc.org/hf/rules/2020/rhqz.shtml)



UFT QRP Contest

06:00 UTC-09:00 UTC and 14:00 - 17:00 UTC 27 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP or high

Max power: HP: >5 Watts; QRP: 5 Watts

Exchange: Member: RST, QRP/QRO and UFT member no; non-member: RST, QRP/QRO and "NM"

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each UFT member once per band; Each QSO with F8UFT once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 27 July 2020

E-mail logs to: [f6cel@orange.fr](mailto:f6cel@orange.fr)

Mail logs to: Ghislain Barbasson, 5, rue de l'Ecluse, F-02190 Pignancourt, France

Find rules at: [www.uft.net/reglement/eng.pdf](http://www.uft.net/reglement/eng.pdf)

Ukrainian DX DIGI Contest

12:00 UTC 27 June to 12:00 UTC 28 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY, PSK63

Bands: 80, 40, 20, 15, 10 m

Classes: SOAB - low or high; SOSB - low or high; MOMB

Max power: HP: >100 W; LP: 100 W

Exchange: UR: RST and 2-letter Oblast; non-UR: RST and QSO no  
Work stations: Once per band per mode  
QSO Points: (see rules)  
Multipliers: Each DXCC country once per band per mode; Each oblast once per band per mode  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 28 July 2020  
E-mail logs to: [urdigi@izmail-dx.com](mailto:urdigi@izmail-dx.com)  
Mail logs to: (none)  
Find rules at: [www.izmail-dx.com/](http://www.izmail-dx.com/)



His Majesty the King of Spain SSB Contest  
12:00 UTC 27 June to 12:00 UTC 28 June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: SSB  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op All Band - QRP, low or high; Single Op Single Band; Multi-Op - low or high  
Max power: HP: >100 Watts; LP: 100 Watts; QRP: 5 Watts  
Exchange: EA: RS and province; non-EA: RS and serial no  
Work stations: Once per band  
QSO Points: (see rules)  
Multipliers: Each EA province once per band; Each EADX100 entity once per band; Each special (EA0) station once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 13 July 2020  
E-mail logs to: (none)  
Upload log at:  
<http://concursos.ure.es/en/logs/>  
Mail logs to: (none)  
Find rules at: <http://concursos.ure.es/en/s-m-el-rey-de-espana-ssb/bases/>

RTTYOPS Weekend Sprint  
16:00 UTC-19:59 UTC 27 June  
Geographic Focus: Worldwide  
Participation: Worldwide

Mode: RTTY  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op (Wires Only); Single Op Multi-Band; Single Op Portable; Single Op Mobile; Multi-Op (Max 2 ops due to the dreaded Lurgi-19)  
Max operating hours: 4 hours  
Exchange: other station's call, your call, serial no, your name and 6-character grid locator  
Work stations: Once per band  
QSO Points: 1 point per km between stations; 500 points bonus if new 4-character locator  
Multipliers: (none)  
Score Calculation: Total score = total QSO points and bonus points  
Submit logs by: 23:59 UTC 4 July 2020  
E-mail logs to: [rtty-weekend@nrrlcontest.no](mailto:rtty-weekend@nrrlcontest.no)  
Mail logs to: (none)  
Find rules at:  
<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-weekend-sprint/>  
ARRL Field Day  
18:00 UTC 27 June to 21:00 UTC 28 June  
Geographic Focus: North America  
Participation: Worldwide  
Mode: All  
Bands: All, except 60, 30, 17, 12 m  
Classes: A: Club/non-club portable; B: One/two person portable; C: Mobile; D: Home; E: Home-emergency power; F: EOC  
Max power: HP: >150 Watts; LP: 150 Watts; QRP: 5 Watts  
Exchange: W/VE: Number of transmitters (see rules), Operating class and ARRL/RAC section; DX: Number of transmitters (see rules), Operating class and "DX"  
Work stations: Once per band per mode  
QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO  
Bonus Points: see rules  
Multipliers: (none)  
Score Calculation: Total score = total QSO points and bonus points  
Submit logs by: 20:59 UTC 28 July 2020  
Post log summary at: field-day.arrl.org  
Mail logs to: Field Day Entries, 225 Main St., Newington, CT 06111, USA  
Find rules at: [www.arrl.org/field-day](http://www.arrl.org/field-day)



10-10 International Spirit of 76 QSO Party  
00:01 UTC 29 June to 24:00 UTC 5 July  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW, SSB, PSK31, RTTY, FM, AM  
Bands: 10 m Only  
Classes: Low Power; High Power; Club; Mobile  
Max power: HP: >150 Watts; LP: 150 Watts;  
QRP: 5 Watts  
Exchange: 10-10 Member: Name, 10-10  
number and state, province or country; Non-  
Member: Name, 0 and state, province or  
country  
Work stations: Once per mode  
QSO Points: 1 point per QSO with a non-  
member; 2 points per QSO with a 10-10  
member  
Multipliers: (none)  
Score Calculation: Total score = total QSO  
points  
Submit logs by: 13 July 2020

E-mail logs to: [dbmorris315@gmail.com](mailto:dbmorris315@gmail.com)  
Mail logs to: Dan Morris, KZ3T, 3162 Covington  
Way, Lenoir, NC 28645, USA  
Find rules at: [www.ten-ten.org/Forms/Spirit.pdf](http://www.ten-ten.org/Forms/Spirit.pdf)

QCX Challenge: 13:00 - 14:00 UTC and 19:00 -  
20:00 UTC 29 June and 03:00 - 04:00 UTC 30  
June  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op  
Max power: HP: >5 Watts; QRP: 5 Watts  
Exchange: RST, name, state, province or  
country and Rig  
Work stations: Once per band  
QSO Points: 3 points per QSO with QCX station;  
1 point per QSO with non-QCX station  
Multipliers: (none)  
Score Calculation: Total score = total QSO  
points  
Submit logs by: 04:00 UTC July 7, 2020  
Post log summary at: [www.3830scores.com](http://www.3830scores.com)  
Mail logs to: (none)  
Find rules at: [www.qrp-labs.com/party.html](http://www.qrp-labs.com/party.html)

## FocusEntry

N1MM LOGGER+ version 1.0.8481 added a new field, "FocusEntry," to the Radio Info UDP Packet to allow external programs to better control the operation of the logging program <https://n1mmwp.hamdocs.com/appendices/external-udp-broadcasts/>. An example might be to have an external program send message keys to an entry window to initiate a CQ.

## Quality fasteners for antenna work

In response to a query about where to purchase quality fasteners for antenna work, Mike, K6MKF, responded to the Elecraft Reflector with this advice: "Keep in mind that there are different classes of stainless steel fasteners with different properties and ratings. A good start for this info: <https://www.fastenermart.com/understanding-fastener-grades-and-classes.html>. I was advised to use Class 6 fasteners for my tower and antenna projects."

## NODE RED

NODE RED has been mentioned in the CONTEST UPDATE in the past as a potential way to control equipment or automate tasks. Here's an [overview article from ELEKTOR](#) on how it can be set up and used with some very basic Raspberry Pi hardware, along with example usage scenarios.

## Next Week's Contests

10-10 International Spirit of 76 QSO Party, 00:01 UTC 29 June to 24:00 UTC 5 July

Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 30 June  
RTTYOPS Week Sprint, 17:00 - 19:00 UTC 30 June  
RAC Canada Day Contest, 00:00 - 23:59 UTC 1 July  
Phone Fray, 02:30 - 03:00 UTC 1 July  
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 1 July and 03:00 - 04:00 UTC 2 July  
QRP Fox Hunt, 01:00 - 02:30 UTC 2 July  
NRAU 10 m Activity Contest, 18:00 - 19:00 UTC (CW) and 19:00 - 20:00 UTC (SSB) and 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC 2 July (Dig)  
RTTYOPS Week Sprint, 17:00 - 19:00 UTC 2 July  
SKCC Sprint Europe, 19:00 - 21:00 UTC 2 July  
NCCC RTTY Sprint, 01:45 - 02:15 UTC 3 July  
NCCC Sprint, 02:30 - 03:00 UTC 3 July  
FISTS Summer Slow Speed Sprint, 00:00 - 04:00 UTC 4 July  
YBDXC 80 m Contest, 09:00 UTC 4 July to 08:59 UTC 5 July  
DL-DX RTTY Contest, 11:00 UTC 4 July to 10:59 UTC 5 July  
Marconi Memorial HF Contest, 14:00 UTC 4 July to 14:00 UTC 5 July  
Original QRP Contest, 15:00 UTC 4 July to 15:00 UTC 5 July  
PODXS 070 Club 40 m Firecracker Sprint, 20:00 UTC 4 July to 20:00 UTC 5 July  
RSGB 80 m Club CW Championship, 19:00 - 20:30 UTC 6 July  
ARS Spartan Sprint, 01:00 - 03:00 UTC 7 July  
Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 7 July  
RTTYOPS Week Sprint, 17:00 - 19:00 UTC 7 July

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter

